

# WHAT IS CLAIMED IS:

1. A transmitting-receiving station for use in radio wave diversity comprising two antennas having a predetermined distance therebetween for use of space-diversity, a distributor-composer and a transceiver; further comprising:

at least one of prefixed adjusters supplied between any one of said antennas and said distributor-composer, manually adjusting and fixing each two values of phases, levels, and delay times of the signals dependent of said two antennas respectively so as to be made the same value each other on a connecting point of said distributor-composer.

2. A transmitting-receiving station for use in radio wave diversity; comprising:

two antennas having a predetermined distance therebetween for use of space-diversity;

a distributor-composer connecting to said two antennas on one side, distributing a signal to be transmitted from said transceiver, and composing two signals to be received from said two antennas;

at least one of prefixed adjusters supplied and connected with any one of the antennas, manually adjusting and fixing each two values of phases, levels, and delay times of the signals dependent of the two antennas respectively so as to be made the same value each other on a connecting point of said distributor-composer; and

a transceiver connecting to the other side of said distributor-composer.

3. A transmitting-receiving station according to claim 2, wherein said prefixed adjuster comprises a phase prefixed-adjuster, a level prefixed-adjuster, and a delayed prefixed-adjuster serially connected.

4. A transmitting-receiving station according to claim 3, wherein said phase prefixed-adjuster has a construction being adjustable by slightly moving a position of said antenna connecting thereto to front and rear in a direction of the radio signal and performs an adjusting to the same phases each other.

5. A transmitting-receiving station according to claim 3, wherein said level prefixed-adjuster comprises a plurality of fixed attenuators being set a level selection.

6. A transmitting-receiving station according to claim 3, wherein said delayed prefixed-adjuster comprises a plurality of fixed delay elements being set a level selection.

7. A transmitting-receiving station according to claim 3, wherein said phase prefixed-adjuster adjusts the phases to the same value by a fine control, said level prefixed-adjuster adjusts a level difference value within 10dB, and said delayed prefixed-adjuster adjusts a delay time difference value within 1.01ns.